

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 112

Country Name: Republic of the Marshall Islands (RMI)

TABLE 1: Monthly Rainfall

Station (include data period)	December 2016						
	October 2016 Total	November 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Majuro	388.1	440.9	299.0	214.4	331.5	276.7	38/63
Kwajalein	475.7	359.7	263.1	140.8	215.5	167.0	52/71

TABLE 2: Three-monthly Rainfall October to December 2016

[Please note that the data used in this verification should be sourced from table 3 of OCOF #108]

Station	Three-month Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking	Forecast probs.* (include LEPS)	Verification* (Consistent, Near-consistent Inconsistent?)
Majuro	1128.0	863.5	1073.8	975.8	47/63	26/34/40	Consistent
Kwajalein	1098.5	726.4	861.4	778.8	68/71	30/34/36	Consistent

Period: *below normal/normal/above normal

**Predictors and Period used for October to December 2016 Outlooks (refer to OCOF #108):
2-month NINO3.4 SSTA (July-August)**

* Forecast is consistent when observed and predicted (tercile with the highest probability) categories coincide (are in the same tercile).

Forecast is near-consistent when observed and predicted (tercile with the highest probability) differ by only one category (i.e. terciles 1 and 2 or terciles 2 and 3).

Forecast is inconsistent when observed and predicted (tercile with the highest probability) differ by two categories (i.e. terciles 1 and 3).

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for
February to April 2017**

Predictors and Period used: NINO3.4 SSTA Nov-Dec 2016

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Majuro	43	647.8	57		4.8	56.5
Kwajalein	40	364.0	60		7.3	63.6

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Majuro	26	557.5	33	775.7	41	7.2	43.5
Kwajalein	23	251.3	35	427.8	42	9.7	48.5

NOTE: Table 4 has been removed from this document as POAMA rainfall outlooks for the Pacific are currently unavailable.

Summary Statements

Rainfall for December 2016:

Rainfall for December 2016 was normal rainfall at Majuro and above normal rainfall at Kwajalein.

Accumulated rainfall for October to December 2016, including outlook verification:

Accumulated rainfall for the last three months was above normal rainfall at both Majuro and Kwajalein. This is consistent with the outlook for the same period.

Outlooks for February to April 2017:

1. SCOPIC:

Seasonal rainfall outlook for the next three months (February to April 2017) shows above normal rainfall the most likely outcome at both stations with normal rainfall the second most likely. The least likely outcome shows below normal rainfall at both stations.

Outlook confidence is moderate for both locations.

NB: The X LEPS % score has been categorised as follows:

Very Low: $X < 0.0$

Low: $0 \leq X < 5$

Moderate $5 \leq X < 10$

Good: $10 \leq X < 15$

High: $15 \leq X < 25$

Very High: $25 \leq X < 35$

Exceptional: $X \geq 35$